



Soli-Shield Exterior Industrial Coating – 25X

The **Soli-Shield Exterior Industrial Coating – 25X** is a proprietary high-solids flexible epoxy coating that was developed especially for protecting cementitious, masonry and metallic substrates – including roofs, without limitation. The **Soli-Shield Exterior Industrial Coating – 25X** employs an advanced technology modified flexible epoxy ceramic coating system that is designed to reduce heat transfer (*conduction, convection, thermal radiation and the transfer of energy by phase changes*).

The **Soli-Shield Exterior Industrial Coating – 25X** can be applied directly over most substrates, including wood, concrete, Brick, PVC, Stucco, Metal and even EPDM. A specialized formulation is available for Styrofoam surfaces. The **Soli-Shield Exterior Industrial Coating – 25X** is weather-tight and not affected by wind movement, and moisture content (*humidity*) of the air – making the **Soli-Shield Exterior Industrial Coating – 25X** suitable for use as a vapor barrier or a barrier to help retard/prevent thermal bridging.

The few surfaces that are not recommended, for direct application of the **Soli-Shield Exterior Industrial Coating – 25X**, are Teflon, highly plasticized vinyl, polyethylene, and silicone rubber; for these applications, consult with the factory about the use of a specialized primer.

The **Soli-Shield Exterior Industrial Coating – 25X** is considered as an elastomeric material and will maintain flexibility down to -92°F (-68°C) and has an upward Service Temperature of over 400°F (+200°C). In case of a heavy hailstorm, the **Soli-Shield Exterior Industrial Coating – 25X** has been tested and found to be able to withstand up to a 2.5-inch hail stone impacting at 140-mph.

Some of the ASTM Tests that have been undertaken, include the following – without limitation

ASTM B-117	Salt Fog Test - 500-hours: Passed
ASTM C-518	k-value: 0.0139 (Btu)(in)/(h)(ft ²)(°F) at 10-mils λ-value: 0.002 W/mK at 0.25 mm
ASTM D-2240	Hardness Shore D: 85
ASTM E-108-91A	Fire Class Rating: Class A Flame Spread: < 5 Smoke Developed: < 25
ASTM D-638	Tensile Strength: 1,393-psi
ASTM E-96	Vapor Transmission: 0.7 perms
ASTM G-53	500-hour accelerate weathering test: double bend with no cracking, highly flexible

Features, Advantages and Benefits

- ✓ UV, weather, Fire, Chemical, Salt and Abrasion Resistant.
- ✓ Superior adhesion to most substrates; No Topcoats are necessary
- ✓ Extremely durable wear resistant surface
- ✓ Can be applied by brush, roller or with spray equipment for Interior or Exterior use
- ✓ UV, Weather, Chemical, Salt and Abrasion Resistant
- ✓ Environmentally Friendly: Contains no Zinc, Lead or Chromates – Zero “0” VOC formulations are available.
- ✓ Can be used for roofs, walls, ducts, basements, seawalls etc., and on a variety of substrates
- ✓ Can be used to provide a durable protective finish on equipment.
- ✓ Approximate pot life (once mixed) is 4 to 6-hours at 80°F
- ✓ Approximate tack dry time is 1 to 2-hours at 80°F
- ✓ Approximate initial curing time is 6 to 8-hours at 80°F
- ✓ Recommended use thickness is 10-mils (dry). Coverage is approximately 100-ft² per gallon at 10-mils (dry) thickness.
- ✓ Can easily be built up to over 40-mils for increased performance, where needed.
- ✓ The Shelf life for original, unopened containers is approximately 1-year, if stored properly
- ✓ Minimum order size packaging: 25-gallon kits (5-gallons of Activator and 20-gallons of Base)

Other products

- For applications requiring greater strength: **Soli-Shield Extreme Duty Industrial Coating –10D**.
- For interior applications: **Soli-Shield Interior Industrial Coating 25I. or with antimicrobial - 25AM**.
- For Interior applications, where mold and mildew may present a challenge the **Soli-Shield Industrial Top Coating TGS 9045-CNA** is a cost-effective solution and complies with FDA & NSF 51 guidelines for use on food contact surfaces.
- Other products are available for a variety of applications.

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